

## AMENDMENTS TO THE CLAIMS

The listing below of the claims presents in amended form the claims as they appear in the translation of the originally-filed German-language application, and they are intended to replace all prior versions and listings of claims in the present application:

### **Listing of Claims:**

Claim 1 (currently amended): Plate-link A plate-link chain for a conical disk transmission, which said plate-link chain is composed of rocker pressure member pairs (14a, 14b, 14c) and comprising: a plurality of links (10) that extend transversely through the plate-link chain, a plurality of rocker pressure member pairs that are arranged one after the other in several rows arranged alongside one another relative to the transverse direction of the plate-link chain, whereby each link is penetrated by two rocker pressure member pairs following one after the other in the longitudinal direction of the plate-link chain, each rocker pressure member pair penetrating at least two links of different rows of links offset relative to each other in the longitudinal direction of the plate-link chain, wherein first surfaces of rocker pressure member pairs facing away from each other in the longitudinal direction of the plate-link chain are in contact with opposite end sides of openings (16) of links that are offset from one another, wherein second surfaces of the rocker pressure members of a rocker pressure member pair facing face each other and form rolling surfaces (18<sub>1</sub>, 18<sub>2</sub>), upon which the contacting rocker pressure members roll against each other when the plate-link

chain is assumes a curved shape, and lateral end faces of the rocker pressure member pairs are formed adapted for contact on conical surfaces of the conical disk pairs, characterized in that wherein the rolling surfaces (18) of the rocker pressure members (14) are formed as freeform surfaces in such a way that changes in the distance between rocker pressure members (14<sub>1</sub>, 14<sub>2</sub>) rolling on one another during a mutual tilting of links (10) following one after the other in the longitudinal direction of the plate-link chain are at least partially compensated.

Claim 2 (currently amended): Plate-link A plate-link chain for a conical disk transmission, which said plate-link chain is composed of rocker pressure member pairs (14a, 14b, 14c) and comprising: a plurality of links (10) that extend transversely through the plate-link chain, a plurality of rocker pressure member pairs that are arranged one after the other in several rows arranged alongside one another relative to the transverse direction of the plate-link chain, whereby each link is penetrated by two rocker pressure member pairs following one after the other in the longitudinal direction of the plate-link chain, each rocker pressure member pair penetrating at least two links of different rows of links offset relative to each other in the longitudinal direction of the plate-link chain, wherein first surfaces of rocker pressure member pairs facing away from each other in the longitudinal direction of the plate-link chain are in contact with opposite end sides of openings (16) of links that are offset from one another, wherein second surfaces of the rocker pressure members of a rocker pressure member pair facing face each other and form rolling surfaces (18<sub>1</sub>, 18<sub>2</sub>), upon which the

contacting rocker pressure members roll against each other when the plate-link chain is assumes a curved shape, and lateral end faces of the rocker pressure member pairs are formed adapted for contact on conical surfaces of the conical disk pairs, and the wherein links of at least some of the adjacent rows of links have different lengths so that the distance distances between the end faces longitudinally-outwardly-facing surfaces of the adjacent rocker pressure member pairs is are different, characterized in that wherein the rolling surfaces (18) of the rocker pressure members (14) are formed as freeform surfaces in such a way that the influence of the length of the rocker pressure members on the shortening of the effective chain length during rotation in a circular arc (Polygon effect) is at least partially compensated.

Claim 3 (currently amended): Plate-link A plate-link chain for a conical disk transmission, which said plate-link chain is composed of rocker pressure member pairs (14a, 14b, 14c) and comprising: a plurality of links (10) that extend transversely through the plate-link chain, a plurality of rocker pressure member pairs that are arranged one after the other in several rows arranged alongside one another relative to the transverse direction of the plate-link chain, whereby each link is penetrated by two rocker pressure member pairs following one after the other in the longitudinal direction of the plate-link chain, each rocker pressure member pair penetrating at least two links of different rows of links offset relative to each other in the longitudinal direction of the plate-link chain, wherein first surfaces of rocker pressure member pairs facing away from each other in the

longitudinal direction of the plate-link chain are in contact with opposite end sides of openings (16) of links that are offset from one another, wherein second surfaces of the rocker pressure members of a rocker pressure member pair facing face each other and form rolling surfaces (18<sub>1</sub>, 18<sub>2</sub>), upon which the contacting rocker pressure members roll against each other when the plate-link chain is assumes a curved shape, and lateral end faces of the rocker pressure member pairs are formed adapted for contact on conical surfaces of the conical disk pairs, characterized in that wherein the rolling surfaces (18) of the rocker pressure members (14) are formed as freeform surfaces in such a way that differences ~~existing over the width of the plate-link chain in the forces transmitted by the rocker pressure member pairs (14a, 14b, 14c) between the links (10) over the width of the plate-link chain~~ are at least partially compensated.

Claim 4 (currently amended): Rocker A rocker pressure member for a plate-link chain according to claim 1 or 2, characterized in that, wherein the rocker pressure member is an elongated member, said rocker pressure member comprising: a first longitudinally-extending outer surface defining a plate-link contact surface, and a second longitudinally-extending outer surface defining a curved rolling surface, wherein the rolling surface (18) is described by the formula R = R<sub>0</sub> × f(β), wherein

$R_0$  = the radius of curvature of the rolling surface at a point P<sub>0</sub> of a cross-sectional plane, which extends longitudinally through the rocker pressure

member and perpendicular to a reference plane containing the center of curvature O, and

R = the distance between the center of curvature O and a point P in the cross-sectional plane, wherein a straight line through O and  $P_0$  and a straight line through O and P form an angle  $\beta$  with each other, and

$f(\beta)$  is a function that does not equal one for  $\beta$  different from zero.

Claim 5 (currently amended): Rocker A rocker pressure member according to claim 4, whereby wherein  $f(\beta) = \cos^n(\beta)$ , with n a positive number.

Claim 6 (currently amended): Rocker A rocker pressure member for a plate-link chain according to claim 3, characterized in that 4, wherein the rolling surface (18) is a freeform surface of such a type that the rocker pressure member is thicker in its middle region than in its end regions relative to the width of the plate-link chain.

Claim 7 (currently amended): Rocker A rocker pressure member according to claim 6, characterized in that wherein the rolling surface (18) is describable by the formula  $R = R_0 f(\gamma)$ , wherein  $R_0$  = the radius of curvature of the rolling surface at a point  $P_0$  of a cross-sectional plane through the center of the rocker pressure member, which cross-sectional plane extends longitudinally through the rocker pressure member and perpendicular to a reference plane containing the center of curvature O, and

$R$  = the distance between the center of curvature  $O$  and a point  $P$  on the rolling surface,  $\gamma$  = the angle between the connecting straight lines  $OP$  and the longitudinal direction of the rocker pressure member.

Claim 8 (currently amended): Rocker A rocker pressure member according to claim 7, characterized in that wherein the rolling surface (18) is describable described by the formula  $R = R_0 \times \sin^n \gamma \times \cos^m \beta$ , wherein  $n$  and  $m$  are positive numbers, and  $\beta$  = the angle between the reference plane and a longitudinal direction plane of the rocker pressure member containing  $OP$ .

**AMENDMENTS TO THE DRAWINGS**

Appended hereto as an attachment are replacement sheets of formal drawings to replace several sheets of the drawings that are included in the concurrently-filed translation of the application. Sheet 1 has been amended to designate each of Figures 1 and 2 as "Prior Art." Additionally, sheets 2 and 5 of the drawings have been amended to correct figure designations.

Also appended hereto as an attachment are copies of the corresponding sheets of the drawings accompanying the translation, showing in red the drawing changes that are reflected in the attached replacement formal drawing sheets.

Approval of the drawing changes shown and acceptance of the enclosed formal drawing sheets incorporating those changes is respectfully requested.